



HDMI1X2

USER MANUAL

www.xantech.com

CONTENTS

- 1 Introduction / Operation Notes**
- 2 Features and Package Contents**
- 3 Panel Layout and Descriptions**
- 4 Panel Descriptions, Continued**
- 5 Connecting The Xantech 1X2 Splitter For HDMI 1.3 / EDID Mode**
- 6 Specifications**

INTRODUCTION

The Xantech 1X2 Splitter for HDMI 1.3

The Xantech 1X2 Splitter for HDMI 1.3 allows set-top boxes, DVD players, Blu-ray players and other HDTV devices with HDMI outputs to be connected to up to two HDTV displays (or more if multiple splitters are utilized in place of HDTV displays).

How It Works

The Xantech 1X2 Splitter for HDMI 1.3 is a distribution hub that sends the same HDMI signals to two HDMI-compatible digital display devices. An HDMI video source is connected to the input jack on the 1X2 Splitter for HDMI 1.3. HDMI-compatible displays are connected to each of the HDMI outputs on the 1X2 Splitter, and beautiful, sharp HDMI video will then emerge on all of your connected displays.

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE XANTECH 1X2 SPLITTER FOR HDMI 1.3

- By default, display information from the display connected to HDMI output port 1 is sent back to the source. Therefore, the other display connected to the 1X2 Splitter for HDMI 1.3 must be capable of accepting the timings and resolutions of the display that is connected to HDMI output port 1. It is recommended that the display with the lowest native resolution be connected to HDMI output port 1. This is to ensure that a compatible video signal will be able to be displayed on all connected monitors. There is a generic EDID programmed into the 1X2 Splitter for HDMI 1.3 that can be used instead. Please see page 5 for more details.
- The Xantech 1x2 Splitter for HDMI 1.3 is HDMI/HDCP compliant and is compatible with all HDMI and DVI* displays.

*When used with a DVI-to-HDMI cable or adapter

FEATURES

Features

- Connects up to two HDMI / DVI displays from one HDMI source
- Optionally add more displays by connecting splitters
- Easily attains resolutions up to 1080p, 2k, and 1920 x 1200
- HDMI and HDCP compliant

HDMI 1.3 Features

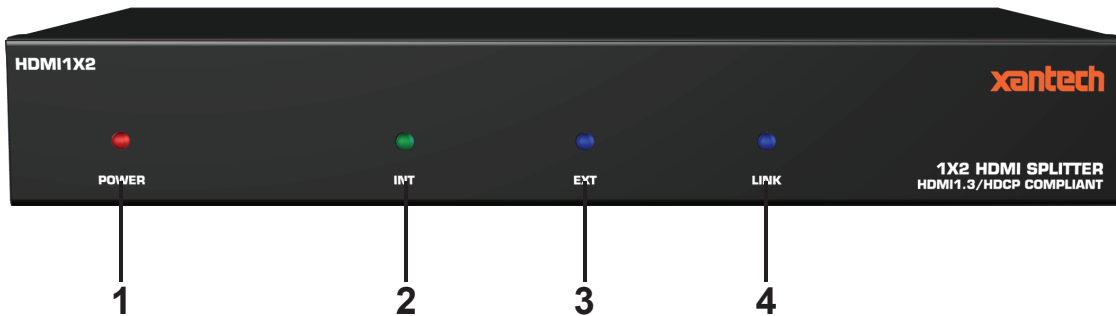
- Lip-Sync Pass Through
- 225 MHz (up to 12 bit YUV 444 supported @ 1080p)
- Deep Color Supported (XV Color Supported)
- Color Space Conversion Supported
- Dolby TrueHD & DTS-HD Master Audio Supported
- CEC Pass Through

INCLUDED IN THE PACKAGE

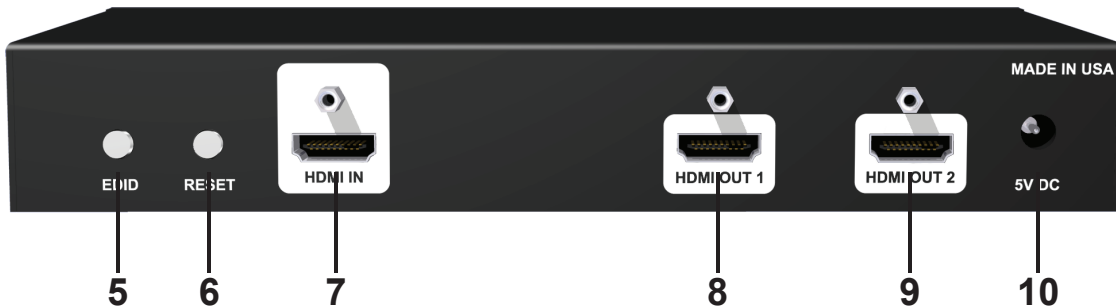
- (1) 1X2 Splitter for HDMI 1.3
- (1) 6 ft HDMI-to-HDMI Cable (M-M)
- (1) 5V DC Power Supply
- (1) User's Manual

PANEL LAYOUT AND DESCRIPTIONS

Front Panel



Back Panel



- 1 Power LED**
This LED will activate once a valid power source is applied.
- 2 Internal EDID LED**
This LED will activate only when the pre-programmed internal EDID is being used. Please see page 5 for more details on the internal EDID.
- 3 External EDID LED (default EDID routing)**
This LED will activate only when the external EDID is being used. Please see page 5 for more details on the external EDID.
- 4 Link LED**
This LED activates when a valid link between the source and splitter is detected.
- 5 EDID Button**
This button will activate the onboard EDID. Press this button (the Int. EDID should turn on and the Ext. LED should turn off) and reset the unit using the Reset button (below) to initialize this EDID mode. To use an external EDID, press the EDID button again (the Int. LED should turn off and the Ext. LED should turn on) and press the Reset button to initialize this EDID mode.
- 6 Reset Button**
This button will reset the unit and initialize whichever EDID mode is currently selected.

PANEL DESCRIPTIONS, CONTINUED

7 HDMI Input

This is the input for the HDMI source device. When a valid source is detected by the splitter, the Link LED will activate.

8 HDMI Out 1

This is the first HDMI output port. Connect a valid HDMI display to this port. When the External EDID mode is active, the EDID form the display connected to this port will be used to send to the source.

9 HDMI Out 2

This is the second HDMI output port. Connect a valid HDMI display to this port.

10 5V DC Power Input

This port is for the included 5V DC power supply. When a valid 5V power supply is attached, the Power LED will activate.

CONNECTING THE 1X2 SPLITTER FOR HDMI 1.3

How to Connect the 1X2 Splitter For HDMI 1.3

1. Connect the supplied cable from the HDMI source into the 1X2 Splitter for HDMI 1.3 input.
2. Connect the cables from your displays (monitor or projector) into the HDMI outs of the 1X2 Splitter for HDMI 1.3. Up to 2 displays are supported.
3. Plug the 5V DC power supply into the 1X2 Splitter for HDMI 1.3.

NOTE: By Default, the display information from the display connected to HDMI output port 1 is sent back to the source. Therefore, the other display that is connected to the 1X2 Splitter for HDMI 1.3 must be capable of accepting the timings and resolutions of the display that is connected to HDMI output port 1. It is recommended that the display with the lowest native resolution be connected to HDMI output port 1. This is to ensure that a compatible video signal will be able to be displayed on all connected monitors. There is a generic EDID programmed into the 1X2 Splitter for HDMI 1.3 that can be used instead. Please see below for the activation process.

EDID MODE

The HDMI1X2 has an EDID button which will determine if the EDID is used from the display attached to output 1 (Ext. mode) or if the onboard EDID (Int. mode) will be used.

The current EDID mode can be determined by which EDID mode LED is active on the front panel. The Ext LED will indicate that the external EDID (from output port 1) is being used, and the Int LED will indicate that the internal pre-programmed EDID is being used.

If you want to use the onboard EDID, press the EDID button on the rear panel and then press the reset button to activate the new EDID mode. To revert back to using the external EDID, press the EDID button again and then reset the unit using the reset button to activate the new EDID mode.

Listed Resolutions in the Internal EDID:

1280x720p	50 Hz	(Native)
1280x720p	59.94 / 60 Hz	(Native)
1920 x 1080i	50 Hz	
1920 x 1080i	59.94 / 60 Hz	
720 x 480p	59.94 / 60 Hz	
720 x 576p	50 Hz	
1920 x 1080p	50 Hz	
1920 x 1080p	59.94 / 60 Hz	
1440 x 480p	59.94 / 60 Hz	
1440 x 576p	50 Hz	

SPECIFICATIONS

Video Amplifier Bandwidth: 225 MHz
Input Video Signal: 12 Volts p-p
Input DDC Signal: 5 Volts p-p (TTL)
Single Link Range: 1080p/1920 x 1200, 12 bit color depth
HDMI Connector: Type A 19 Pin Female
Power Supply: 5V DC
Power Consumption: 10 Watts (max)
Dimensions: 10.25"W x 1"H x 4.25"D
Shipping Weight: 5 lbs

Technical Support
Hours: 7AM-5:30PM PST
Phone: 800.843.5465
press 2 for Tech Support
FAX: 800.492.6832
e-mail: tech@xantech.com

Mailing Address
Xantech Corporation
13100 Telfair Avenue, 2/F
Sylmar, CA 91342

HDMI1X2 User Manual © 2008 Xantech Corporation

This document is copyright protected. No part of this manual may be copied or reproduced in any form without prior written consent from Xantech Corporation. Xantech Corporation shall not be liable for operational, technical, or editorial errors/omissions made in this document. Xantech is a registered trademark of Xantech Corporation. All rights reserved.



www.xantech.com
